

### product type designation



### Antenna ANT795-6DC

ANT795-6DC IWLAN antenna with weak directional effect; incl. N-female connector: 9 dBi; IP66/67 (-40 - +80 °C), 2.4/5 GHz; Wi-Fi compliance and national approvals to be observed; Mounting on wall or mast Compact instructions as hard copy English/German; Scope of delivery: 1x ANT795-6DC, 1x mounting aid for alignment

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	2.4 ... 2.5 GHz
<ul style="list-style-type: none"> <li>for WLAN in 2.4 GHz frequency band</li> <li>for WLAN in 5 GHz frequency band 1</li> </ul>	5.15 ... 5.875 GHz
electrical data	
impedance	50 Ω
polarization	linear vertical
radiation characteristic	Sector antenna
antenna gain compared to spherical radiator	9 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 2.4 GHz frequency band</li> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	9 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	75°
<ul style="list-style-type: none"> <li>in the 2.4 GHz frequency band / horizontal</li> <li>in the 2.4 GHz frequency band / vertical</li> <li>in the 5 GHz frequency band / horizontal</li> <li>in the 5 GHz frequency band / vertical</li> </ul>	55°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
crosstalk attenuation / between the antenna connections	25 dB
front-to-back ratio	15 dB
mechanical data	
material	Lexan EXL 9330
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	
ambient conditions	
ambient temperature	-40 ... +80 °C
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +80 °C
protection class IP	IP66 / 67
wind load / maximum	15 N; at 160 km/h
design, dimensions and weights	

width	80 mm
height	101 mm
depth	35 mm
net weight	110 g
fastening method	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• RoHS conformity	Yes
• railway application in accordance with EN 50155	Yes
• fire protection in accordance with EN 45545-2	Yes
Marine classification association / Korean Register of Shipping (KRS)	Yes
product conformity	UL 94-V0
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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